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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,481	02/06/2004	Paul Adams	BIC-029	7066

29626 7590 07/14/2006

THE H.T. THAN LAW GROUP  
WATERFRONT CENTER SUITE 560  
1010 WISCONSIN AVENUE NW  
WASHINGTON, DC 20007

EXAMINER

DOUGLAS, STEVEN O

ART UNIT

PAPER NUMBER

3751

DATE MAILED: 07/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Interview Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/773,481	ADAMS, PAUL	
	<b>Examiner</b>	<b>Art Unit</b>	
	Steven O. Douglas	3751	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Steven O. Douglas. (3) Jennifer Mahalingappa.  
 (2) Andrew Curello. (4) HT Than.

Date of Interview: 24 April 2006.

Type: a) ☐ Telephonic b) ☐ Video Conference  
 c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
 If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1,32 and 37.

Identification of prior art discussed: Bullock and Prasad.


Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: discussed a proposed amendment to the claims with respect to a datum orgin. Agreed that claims would be given favorable consideration if Applicant positively defines the datum orgin as facilitating interchangeability of a plurality of host devices along with remarks discussing such interchangeability..

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
 \_\_\_\_\_  
 Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

#### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

##### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Paul ADAMS

Application No.: 10/773,481

Group Art Unit: 3751

Filed: February 6, 2004

Examiner: Steven O. DOUGLAS

For: DATUM BASED INTERCHANGEABLE FUEL CELL CARTRIDGES

**PROPOSED CLAIM AMENDMENTS**

1. (Currently Amended) A fuel supply containing fuel adapted to be connected to a host device, wherein the fuel supply comprises  
a ~~front face~~ and at least one functional element, wherein the at least one functional element is positioned relative to a datum origin defined on the ~~front face~~ of fuel supply,  
wherein when the fuel supply is connected to the host device, ~~the front face is positioned opposite to a corresponding face on the host device and~~ the datum origin matches a matching datum origin on ~~the corresponding face of~~ the host device and the at least one functional element is connected to a corresponding connection on the host device.
2. (Original) The fuel supply of claim 1, wherein the host device is an electronic device powered by a fuel cell.
3. (Original) The fuel supply of claim 1, wherein the host device is a fuel cell.
4. (Original) The fuel supply of claim 1, wherein the host device is a charger.
5. (Currently amended) The fuel supply of claim 1, wherein the at least one functional element is located on ~~the~~ a front face of the fuel supply.

6. (Withdrawn) The fuel supply of claim 1, wherein the at least one functional element is located on a side of the cartridge.
7. (Withdrawn) The fuel supply of claim 1, wherein the at least one functional element is located on a top of the cartridge.
8. (Withdrawn) The fuel supply of claim 1, wherein the at least one functional element is located on a bottom of the cartridge.
9. (Withdrawn) The fuel supply of claim 1, wherein the at least one functional element is located on a back face of the cartridge.
10. (Currently amended) The fuel supply of claim 4 5, wherein the front face is substantially flat.
11. (Currently amended) The fuel supply of claim 4 5, wherein the front face is curved.
12. (Withdrawn) The fuel supply of claim 1, wherein the front face comprises non-planar portions.
13. (Withdrawn) The fuel supply of claim 12, wherein the at least one functional element is located on one of the non-planar portion.
14. (Withdrawn) The fuel supply of claim 12, wherein the non-planar portions are parallel.
15. (Withdrawn) The fuel supply of claim 12, wherein the non-planar portions are non-parallel.

26. (Currently amended) The fuel supply of claim 1, wherein the position of the at least one ~~functioning~~ functional element is measured from the datum origin using a Cartesian coordinate.
27. (Currently amended) The fuel supply of claim 1, wherein the position of the at least one ~~functioning~~ functional element is measured from the datum origin using a spherical coordinate.
28. (Currently amended) The fuel supply of claim 1, wherein a portion of ~~the front~~ a fuel supply face and a portion of ~~the~~ a corresponding face on the host device are standardized.
29. (Original) The fuel supply of claim 1, after the fuel supply is connected to the host device, the fuel supply forms a part of an exterior surface of the host device.
30. (Original) The fuel supply of claim 1, after the fuel supply is connected to the host device, the fuel supply does not form a part of an exterior surface of the host device.
31. (Currently amended) The fuel supply of claim 1; wherein the datum origin is selected to correspond to a specific fuel.
32. (Original) An adapter for connecting a fuel supply to a host device comprising at least one first functional element adapted to connect to a corresponding first connection on the host device, wherein the first functional element is positioned relative to a first datum origin on the adapter and the first datum origin matches a first matching datum origin on the host device, and  
wherein the adapter is connected to the fuel supply, so that fuel from the fuel supply is transportable to the host device.
33. (Original) The adapter of claim 32, wherein the adapter is connected to the fuel supply by at least one tubing.

16. (Withdrawn) The fuel supply of claim 1, wherein the at least one functional element coincides with the datum.
17. (Cancelled)
18. (Original) The fuel supply of claim 1, wherein the at least one functional element comprises memory storage device, electrical connections, pneumatic connections, sensors, fuel filling port, refill valve, orientation features or guides.
19. (Currently amended) The fuel supply of claim 1, wherein the datum origin comprises a corner datum.
20. (Withdrawn) The fuel supply of claim 1, wherein the datum comprises a protruding datum.
21. (Withdrawn) The fuel supply of claim 1, wherein the datum comprises a width datum.
22. (Withdrawn) The fuel supply of claim 1, wherein the datum comprises orthogonal datum points.
23. (Withdrawn) The fuel supply of claim 1, wherein the datum comprises a notch datum.
24. (Withdrawn) The fuel supply of claim 23, wherein the notch datum comprises two orthogonal legs.
25. (Withdrawn) The fuel supply of claim 1, wherein the datum comprises a pin datum.

34. (Original) The adapter of claim 32, wherein the adapter is connected to the fuel supply by a manifold.

35. (Original) The adapter of claim 32, wherein the adapter is connected to a plurality of fuel supplies, wherein the fuel supplies are in fluid communication with each other.

36. (Currently amended) The adapter of claim 32 further comprising  
at least one second connection adapted to connect to a corresponding second functional element on the fuel supply so that the fuel supply is functionally connected to the host device,

wherein the second functional element is positioned relative to a second datum origin on the fuel supply, and

wherein the position of the first functional element relative to the first datum origin is substantially the same as the position of the second functional element relative to the second datum origin.

37. (Currently Amended) A fuel supply containing fuel adapted to be connected to a host device, wherein the fuel supply comprises

~~a front face and~~ at least one functional element, wherein the at least one functional element is positioned relative to a functional datum origin defined on the fuel supply,

wherein when the fuel supply is connected to the host device ~~the front face is positioned opposite to a corresponding face on the host device and the functional datum~~ origin matches a matching datum origin on the host device and the at least one functional element is connected to corresponding connection on the host device, and

wherein the functional datum origin comprises a memory storage device, electrical connections, pneumatic connections, sensors, a fuel filling port, or a valve.



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Paul ADAMS

Application No.: 10/773,481

Group Art Unit: 3751

Filed: February 6, 2004

Examiner: Steven O. DOUGLAS

For: DATUM BASED INTERCHANGEABLE FUEL CELL CARTRIDGES

**STATEMENT AUTHORIZING EMPLOYEE PARTICIPATION IN PROSECUTION**

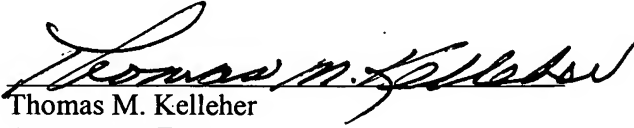
Commissioner for Patents  
P.O Box 1450  
Alexandria, VA 22313-1450

Sir:

Andrew Curello is hereby designated the representative of the assignee of the entire interest in the present application for the purposes of participating in the prosecution of the present application. Andrew Curello is an employee of BIC Corporation, a wholly-owned subsidiary of Société BIC, the assignee of the entire interest in the present application.

Respectfully submitted,

Date: April 10, 2006

  
Thomas M. Kelleher  
Attorney-In-Fact  
Société BIC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Societe BICApplication No./Patent No./Control No.: 10/773,481 Filed/Issue Date: February 6, 2004Entitled: Datum Based Interchangeable Fuel Cell CartridgesSociete BIC, a corporation

(Name of Assignee)

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014975, Frame 0421, or a true copy of the original assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Thomas M. Kelleher

Signature

April 14, 2006

Date

Thomas Kelleher

Printed or Typed Name

203-783-2074

Telephone Number

Attorney-in-fact

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.